Abstract

Polymer composition, membrane comprising the same, process for production thereof and use thereof

The composition described comprises 30 to 99.5% by weight of a sulfonated aromatic polyether ketone which has an ion-exchange capacity of from 1.3 to 4.0 meq ($-SO_3H$)/g of polymer, and from 0.5 to 70% by weight of a polybenzimidazole.

This composition can, as can a sulfonated polyether ketone of PEK type, be processed to give membranes, preferably used in fuel cells.